

WHAT IS CLAIMED IS:

1. A sub-frame mounting structure for a vehicle, the structure comprising:

a front side member forming a first closed section therein and having a depressed portion at a bottom side thereof;

5 a separating plate covering the upper side of said depressed portion in said front side member and forming a second closed section with said depressed portion in said first closed section; and

a mounting bolt with a head portion disposed, by welding, between said separating plate and the bottom side of said front side member, and a shank portion
10 protruding out from the bottom side of said front side member.

2. The structure as defined in claim 1, wherein said front side member comprises:

a first side member including a bottom plate with said depressed portion, a vertical plate upwardly connected to one side of said bottom plate and a flange downwardly connected to the other side of said bottom plate; and

15 a second side member coupling to said first side member along a longitudinal direction of the vehicle and forming said first closed section with said first side member.

3. The structure as defined in claim 2, wherein said separating plate comprises:

a front portion and a rear portion respectively being welded to the front and back side of said bottom plate;

20 a space-reserving portion protruding between said front portion and said rear portion in the opposite direction of the depressed direction of said depressed portion;

an upper side coupling portion being welded to said vertical plate along said front portion, space-reserving portion and rear portion; and

a lower side coupling portion being downwardly bent from said space-reserving
25 portion and welding to said flange of said bottom plate.

4. The structure as defined in claim 1, wherein an upper portion of said head portion is inserted by welding to said separate plate; and

a lower portion of said head portion being welded to an upper side of said front

side member.

5. A sub-frame mounting structure for a vehicle, the structure comprising:

a front side member forming a first closed section therein and having a

5 depressed portion at a bottom side thereof;

a separating plate covering the upper side of said depressed portion in said front side member and forming a second closed section with said depressed portion in said first closed section; and

10 a mounting bolt with a head portion coupled to said separating plate and the bottom side of said front side member, and a shank portion protruding out from the bottom side of said front side member.

6. The structure as defined in claim 1, wherein said front side member comprises:

15 a first side member including a bottom plate with said depressed portion, a vertical plate upwardly connected to one side of said bottom plate and a flange downwardly connected to the other side of said bottom plate; and

a second side member coupling to said first side member along a longitudinal direction of the vehicle and forming said first closed section with said first side member.

7. The structure as defined in claim 2, wherein said separating plate comprises:

20 a front portion and a rear portion respectively coupled to the front and back side of said bottom plate;

a space-reserving portion protruding between said front portion and said rear portion in the opposite direction of the depressed direction of said depressed portion;

an upper side coupling portion being coupled to said vertical plate along said front portion, space-reserving portion and rear portion; and

25 a lower side coupling portion being downwardly bent from said space-reserving portion and coupled to said flange of said bottom plate.

8. The structure as defined in claim 1, wherein an upper portion of said head portion is coupled to said separate plate; and

a lower portion of said head portion being coupled to an upper side of said front side member.